

Amendments to the Specification (Abstract)

Please replace the Abstract (on page 19 of the application as originally filed) with the following amended Abstract:

B1
Systems and methods that allow for performing a single transaction that both ~~commands~~ instructs a device to perform an ~~action~~ operation and return the ~~result~~ resulting data to a processor without the processor having to send a separate request for the result. In accordance with the systems and methods, a bus controller generates a system bus operation that sends (to the device) a thread identifier and a data request formulated in one thread by a processor that context switches to a second thread. ~~In addition, a processor may perform a context switch switching between threads using separate context registers. A context switch allows a processor to switch from processing a thread that is waiting for data to one that is ready for additional processing.~~